

AMENDMENTS TO THE ABSTRACT:

Please amend the Abstract as follows:

~~A method and a system are disclosed for avoiding inter-layer~~ Inter-layer ~~inter-symbol interference is avoided using . Diagonally diagonally-layered, multi-antenna transmissions are utilised by the proposed method and system. Known symbols are inserted at the borders between different layers to avoid inter-layer inter-symbol interference. The system relies on an improved method to transmit multiple~~ Multiple ~~data-streams (layers). The invention describes a method for transmitting data-streams~~ are transmitted ~~over multiple antennas in an effective and smart way when having frequency selective channels. By utilising a system using the present method problems with inter-layers~~ so that inter-layer ~~inter-symbol interference between different data-streams can be~~ is avoided ~~when changing transmit antenna for the data-streams. The invention utilises that a diagonal layered multi-antenna transmission will not create inter-symbol interference, ISI, between different layers.~~